Performance Data Sheet

HGA5467EXD

General Information

Model	HGA5467EXD	**Refrigerant**	R-22
Test Condition	ASHRAE	**Performance Test Voltage**	230V ~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	PSC

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	90	100	110	120	130	140
-15	Btu/h	2170	2100					
	Watts	319	337					
	Amps	1.53	1.60					
	Lb/h	28.0	28.2					
-10	Btu/h	2480	2400	2260				
	Watts	333	355	371				
	Amps	1.55	1.64	1.72				
	Lb/h	31.8	32.1	31.5				
-5	Btu/h	2820	2740	2590	2390			
	Watts	345	371	392	407			
	Amps	1.57	1.68	1.77	1.85			
	Lb/h	36.0	36.3	35.8	34.4			
0	Btu/h	3210	3110	2950	2740	2480		
	Watts	353	384	409	430	448		
	Amps	1.59	1.72	1.83	1.92	2.02		
	Lb/h	40.6	40.9	40.5	39.2	37.1		
5	Btu/h	3630	3520	3350	3130	2860		
	Watts	359	394	423	449	472		
	Amps	1.60	1.75	1.88	1.99	2.10		
	Lb/h	45.6	45.9	45.5	44.3	42.3		
10	Btu/h	4100	3960	3770	3540	3260	2940	2570
	Watts	362	401	435	465	493	521	550
	Amps	1.61	1.78	1.92	2.05	2.18	2.31	2.46
	Lb/h	51.1	51.4	50.9	49.8	48.0	45.4	42.0
15	Btu/h	4600	4440	4240	3990	3690	3360	2990
	Watts	363	406	444	478	511	544	578
	Amps	1.61	1.80	1.96	2.11	2.25	2.40	2.57
	Lb/h	57.1	57.3	56.8	55.7	54.0	51.5	48.4
20	Btu/h	5150	4970	4740	4470	4160	3810	3430
	Watts	362	408	450	489	526	564	603
	Amps	1.61	1.81	1.99	2.15	2.32	2.49	2.67
	Lb/h	63.5	63.6	63.1	62.0	60.3	58.0	55.0

25	Btu/h	5750	5540	5280	4990	4660	4300	3900
	Watts	359	408	454	497	539	581	625
	Amps	1.60	1.81	2.01	2.19	2.37	2.56	2.76
	Lb/h	70.5	70.4	69.8	68.7	67.1	64.9	62.1
30	Btu/h	6400	6150	5860	5540	5190	4810	4400
	Watts	353	406	455	502	548	595	644
	Amps	1.58	1.81	2.02	2.23	2.42	2.63	2.84
	Lb/h	77.9	77.7	77.1	75.9	74.3	72.2	69.5
35	Btu/h	7100	6810	6490	6140	5760	5360	4930
	Watts	345	401	454	505	555	606	660
	Amps	1.55	1.80	2.03	2.25	2.46	2.68	2.92
	Lb/h	85.9	85.5	84.8	83.6	81.9	79.8	77.3
40	Btu/h	7850	7520	7170	6780	6380	5950	5500
	Watts	336	395	451	505	559	614	673
	Amps	1.50	1.77	2.02	2.26	2.49	2.73	2.98
	Lb/h	94.5	93.9	93.0	91.7	90.0	88.0	85.4
45	Btu/h	8660	8290	7890	7470	7030	6570	6090
	Watts	324	386	445	503	560	620	683
	Amps	1.45	1.74	2.00	2.26	2.50	2.76	3.03
	Lb/h	104	103	102	100	98.6	96.5	94.1
50	Btu/h	9520	9100	8660	8200	7730	7230	6730
	Watts	311	376	438	498	560	623	690
	Amps	1.38	1.69	1.97	2.24	2.51	2.78	3.07
	Lb/h	113	112	111	109	108	106	103
55	Btu/h	10400	9980	9490	8990	8470	7940	7400
	Watts	297	363	428	492	557	624	695
	Amps	1.30	1.63	1.92	2.21	2.50	2.79	3.09
	Lb/h	124	122	121	119	117	115	113

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.678962E+03	-2.853292E+02	-1.269242E+00	1.211943E+01
C2	1.299126E+02	-2.958447E+00	-2.520643E-02	1.384454E+00
C3	4.761240E+01	1.418798E+01	6.663222E-02	6.185584E-01
C4	1.316435E+00	-2.513108E-02	-7.165533E-05	1.258764E-02
C5	-8.965970E-01	2.926428E-02	3.556817E-04	-9.703148E-03
C6	-3.858540E-01	-9.815065E-02	-5.049389E-04	-3.002384E-03
C7	2.679210E-03	1.299142E-04	-1.317898E-06	2.498925E-05
C8	-6.723064E-03	-3.353110E-04	-8.091164E-08	-5.020194E-05
C9	3.504320E-03	3.212240E-04	-1.964502E-08	5.566935E-05
C10	3.715383E-04	2.569882E-04	1.481797E-06	-3.498734E-06

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature